

Math 7

	Day	Date	Video	Assignment Due	Is it done?
33	Monday	5/4/2020		take big test (to around 70)	
34	Tuesday	5/5/2020		take big test (to around 140)	
35	Wednesday	5/6/2020		take big test (to around 210)	
36	Thursday	5/7/2020		take big test (to around 280)	
37	Friday	5/8/2020		"field trip day" - try to do something fun today	
38	Monday	5/11/2020		finish taking big test (to 340)	
39	Tuesday	5/12/2020	order of operations		
40	Wednesday	5/13/2020	adding, subtract equations	order of operations worksheet	
41	Thursday	5/14/2020	mult, divide equations	adding, subtract equations worksheet	
42	Friday	5/15/2020	2 step equations	mult, divide equations worksheet	
	Monday	5/18/2020		2 step equations worksheet	
	How many total did you do:				

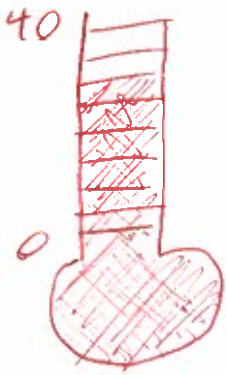
Zoom sessions available upon request for those who need help

We usually do these during a school day in May.
Please return this form at the 5-18 dropoff/pickup day.
It helps TMR to work up a class schedule for next year.
Thank you.

Name _____	Grade Next Year _____	2020-21 Pre-Schedule Form	
I expect to be at CCA _____	Elsewhere _____	Don't Know _____	
Math _____			
General Math _____	Algebra 1 _____	Trigonometry _____	
Pre-Algebra _____	Geometry _____	Calculus _____	
French: _____			
Yes _____	No _____	Level _____	
Spanish: _____			
Yes _____	No _____	Level _____	
English _____			
Lunch Help _____			
9th-12th: _____			
Accelerated _____	Regular _____		
11th/12th: _____			
Physics _____	Environmental _____		
Electives (Rank your choices starting with 1 for your first choice, ranking anything you think you might take)			
Art _____	Computers _____	Girls Only _____	Speech _____
Boys Only _____	Cook \$ _____	Health _____	Video Classics _____
Child Dev _____	Debate _____	Keyboarding _____	Worship Team _____
College + Career _____	Drama _____	Money Mgmt _____	

What temperature is shown on the thermometer?

22.



23.



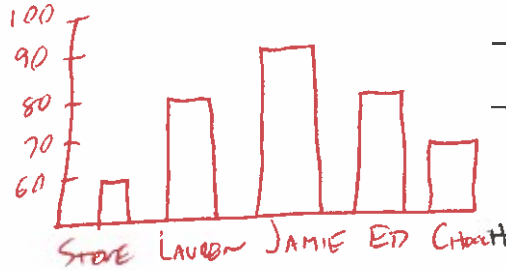
24. Who had the highest grade?

25. What two students had the same grade?

For the number 2,345,678,902.

26. What is the place value of the 8?

27. What digit is in the ~~ten~~ ten millions place?



Write the number.

28. Seven hundred twenty-seven

29. Six million, three thousand, nineteen

On the number line,

30. What number is eight spaces to the right of -3?

31. What number is halfway between 2 and 8?

32. $7 - 26$

33. What number is 6 less than 2?

Round 68,254 to the nearest

34. 100

35. 1000

36. $\frac{36}{3}$

37. $\frac{4 + 5 + 9}{6}$

Find the average of

38. 3, 10, and 14

39. 12, 16, 26, and 34

Write the factors of each number.

40. 36

41. 20

Find the greatest common factor for each set of numbers.

42. 8 and 12

43. 18, 27, and 36

44. What is the top number in a fraction called?

45. What is the bottom number in a fraction called?

46. Write the fraction five-elevenths.

47. There are eleven girls in a class of twenty students.

What fraction of the class is boys?

48. What is $\frac{2}{3}$ of 24?

49. What is $\frac{5}{8}$ of 40?

50. $\frac{1}{7} + \frac{4}{7}$

51. $\frac{3}{11} + \frac{3}{11}$

52. $\frac{6}{13} - \frac{1}{13}$

53. $6\frac{3}{7} - 2\frac{1}{7}$

54. $1 - \frac{5}{11}$

55. $7 - 2\frac{5}{9}$

56. $\frac{2}{7} \times \frac{2}{5}$

57. $\frac{7}{8} \times \frac{3}{5}$

58. $\frac{3}{7} \div \frac{7}{3}$

59. $\frac{3}{11} \div \frac{2}{5}$

Find the reciprocal of each number.

60. $\frac{3}{4}$

61. 6

Convert to a mixed or whole number.

62. $\frac{5}{5}$

63. $\frac{19}{5}$

Reduce to lowest terms.

64. $\frac{12}{36}$

65. $\frac{15}{25}$

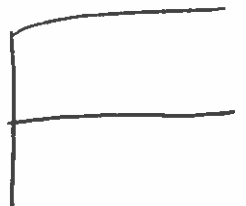
66. $\frac{11}{16} + \frac{5}{16}$

67. $\frac{4}{6} \times \frac{3}{8}$

68. $4\frac{2}{4} + 3\frac{3}{4}$

69. $5\frac{5}{8} - 4\frac{3}{8}$

70. $\frac{2}{3} + \frac{2}{3} + \frac{2}{3}$



71. $\frac{6}{12} \div \frac{8}{16}$

72. What are the first five multiples of 7?

73. What is the LCM of 7 and 5?

74. What is the LCM of 12 and 8?

Find the area.



Consider the number 123.456.

77. What digit is in the tenths place?

78. In which place is the 6?

Write in expanded notation.

79. 5000.204

Write in standard notation.

80. $(3 \times 100) + (2 \times 1/100) + (1 \times 1/1000)$

Write as a fraction.

81. .23

Write as a decimal.

82. $3/1000$

Use words to write the numbers.

83. 12.086

Use digits to write the numbers.

84. nine hundred and nine thousandths

85. $1.36 + 5.6$

86. $3.45 - 2$

87. $1.59 - 1.3$

88. $3 - 1.667$

89. $.993 + 1.37$

90. $.04 \times .5$

91. $.35 \times 7.3$

92. $.3 \times .3$

93. $.016 \div 2$

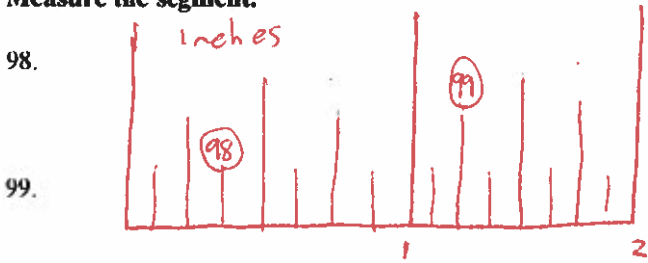
94. $1.55 \div .05$

95. $.187 \div 1.7$

96. $\frac{3}{5} = \frac{?}{20}$

97. $\frac{5}{6} = \frac{?}{24}$

Measure the segment.



100. $5\frac{1}{5} - 3\frac{2}{5}$

101. $4\frac{2}{9} - 3\frac{7}{9}$

Simplify:

102. 730.00

103. 003.050800

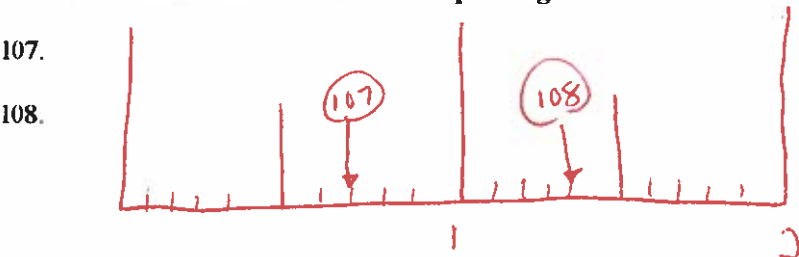
Compare:

104. $.090$ _____ $.09$

105. 1.8 _____ $.18$

106. $.1213$ _____ $.1231$

To what decimal number is each arrow pointing?



108.

Round 4692.17345 to the nearest

109. hundredth

110. thousandth

111. 34.56×1000

112. $123.456 / 1000$

113. Change 75 ¢ to dollar form.

114. Change \$.03 to cents form.

115. $\$3 - 78 \text{ ¢} =$

\$

116. $\$.23 + 59 \text{ ¢} =$

 ¢

117. $\frac{3}{4} + \frac{1}{3}$

118. $\frac{4}{5} + \frac{3}{4}$

119. $\frac{2}{3} - \frac{1}{4}$

120. $\frac{2}{5} - \frac{3}{8}$

121. $1\frac{5}{6} + 2\frac{3}{8}$

122. $5\frac{1}{4} + 6\frac{3}{5}$

123. $2\frac{2}{5} - 1\frac{2}{3}$

124. $5\frac{3}{5} - 3\frac{2}{3}$

125. $\frac{2}{7} \times \frac{3}{2}$

126. $\frac{2}{7} \div \frac{2}{3}$

127. $2\frac{1}{3} \div 2\frac{1}{3}$

128. $\frac{9}{2} \div 1\frac{3}{4}$

129. $4\frac{1}{2} \times 3\frac{2}{3}$

130. $2\frac{2}{7} \times 2\frac{1}{3}$

Compare.

131. $\frac{5}{7}$ _____ $\frac{4}{5}$

132. $\frac{5}{6}$ _____ $\frac{7}{8}$

133-4. Which of 61, 63, and 67 is not prime? _____ Why? _____

135. Which of 51, 53, and 55 is prime? _____

Write as a fraction.

136. $5\frac{3}{4}$

137. 8

138. How many sides in an quadrilateral?

139. How many sides in a octagon?

140. What figure has five sides?

141. What figure has six sides

Write the prime factorization.

142. 72

143. 48

Solve.

144. $5 + y = 75$

145. $8x = 32$

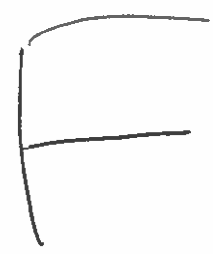
Draw.

146. ray

147. segment

148. parallel

149. perpendicular



150. What decimal part is shaded?



151. What decimal part of a meter is 35 centimeters?

152. What decimal part of a dollar is a quarter?

Write the common fraction for the decimals.

153. .8

154. .15

Convert the fraction to a decimal

155. $1/2$

156. $4/20$

157. What decimal part of a foot is 3 inches?

158. What decimal part of a quarter is a nickel?

Compare the fractions by converting to decimals.

159. $3/8 =$ _____ $4/10 =$ _____

160. $3/5 =$ _____ $7/10 =$ _____

Three-tenths of the 30 students could.

161. Into how many parts was the group divided?

162. How many students are in each part?

163. How many parts could?

164. How many students could?

165. How many parts could not?

166. How many students could not?

.7 of the 30 students could.

167. Into how many parts was the group divided?

168. How many students are in each part?

169. How many parts could?

170. How many students could?

171. How many parts could not?

172. How many students could not?

Identify the quadrilateral.

173. parallelogram with right angles

174. no sides parallel
175. rectangle with equal sides
176. one pair of parallel sides
177. two pair of parallel sides
178. ~~rectangle~~ with equal sides

Compute the area of the parallelogram.



179.
Write another form of the multiplication. Use at least three different multiplication forms.

180. $5 \times k$

Write as a fraction.

181. 47%

Write as a percent.

182. $34 / 100$

Write as a fraction.

183. 70%

184. 35%

Write as a decimal.

185. 5%

186. 67%

187. 300%

Write your answer in fraction form.

188. $3/4 + .5$

Write your answer in decimal form.

189. $3/5 - .3$

Find the missing factor.

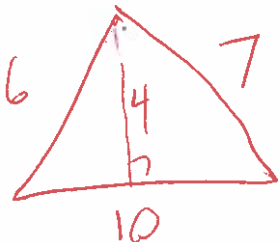
190. $10a = 37$

191. $3g = 205$

192. $.4q = .048$

Find the area.

193.



213. $\frac{5}{6}$

214. $\frac{4}{5}$

215. $\frac{7}{9}$

Write each decimal as a percent.

216. .7

217. .35

218. 1.09

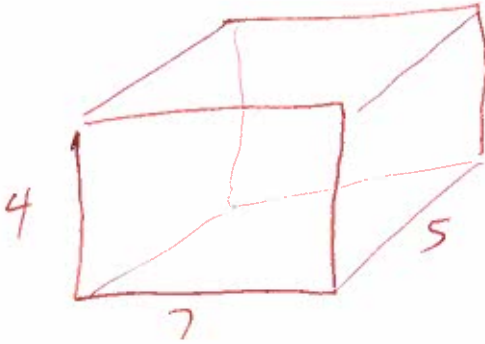
Write each mixed number as a percent.

219. $1\frac{3}{4}$

220. $2\frac{1}{2}$

Compute the volume.

221.



222. The distance from the center to the circle.

223. The distance around a circle.

224. The distance across a circle through the center.

Compare the fractions by finding the cross products.

225. $\frac{\quad}{\quad} \frac{2}{3} \quad \frac{3}{5} \quad \frac{\quad}{\quad}$

226. $\frac{\quad}{\quad} \frac{3}{4} \quad \frac{7}{10} \quad \frac{\quad}{\quad}$

Write three other forms of the ratio 7 to 10.

227-9. _____

Write the fraction form of the ratios and reduce when possible.

230. 24 to 36

231. There are 10 dogs and 15 cats. What is the dog-cat ratio?

Solve the proportion.

232. $\frac{3}{5} = \frac{x}{20}$

233. $\frac{3}{9} = \frac{5}{x}$

Set up a proportion and solve the ratio problem.

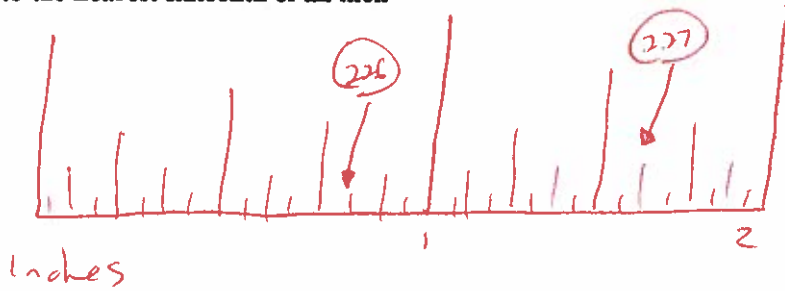
224. The ratio of boys to girls is 3 to 4. There are 15 boys. How many girls are there?

225. The ratio of cats to dogs is 2 to 3. There are 30 dogs. How many cats are there?

Measure to the nearest sixteenth of an inch

226.

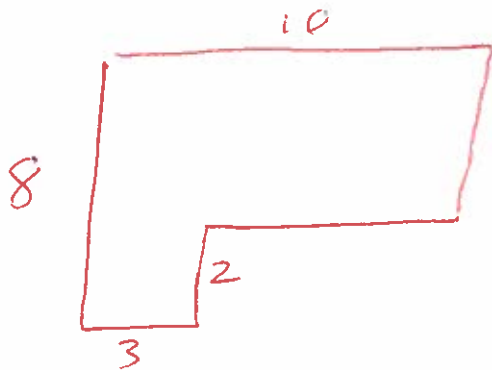
227.



Find the perimeter and area of each shape.

228.

229.



Perimeter =

Area =

230. Measures 90 degrees.

231. Measures less than 90 degrees.

232. Measures 180 degrees.

233. Measures more than 90 degrees.

234. What does similar mean?

235. What does congruent mean?

236. Are congruent figures always also similar?

237. Are similar figures also always congruent?

238. A triangle with three equal sides.

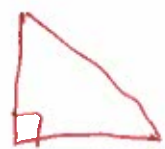
239. A triangle with two equal sides.

240. A triangle with three unequal sides.

241.

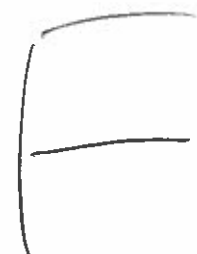


242.



243.





244-6. Divide 127 by 10 with a remainder, as a fraction, and as a decimal.

247. What is 50% of 20?

248. What is 20% of 80?

Write in expanded notation using exponents.

249. 5040

Write in decimal notation.

250. $(5 \times 10^3) + (2 \times 10^1) + (1 \times 10^0)$

251. 1.2×10^3

252. 4.6×10^6

253. 4.2 million

Use fractions to write these rates as ratios.

254. 7 dollars per hour

255. 15 students per teacher

Multiply, canceling units and numbers when possible.

256. $\frac{6 \text{ cents}}{1 \text{ dollar}} \cdot \frac{9 \text{ dollars}}{1}$

257. $\frac{40 \text{ students}}{3 \text{ classes}} \cdot \frac{6 \text{ classes}}{1}$

Round 123,456,789 to the nearest

258. Ten

259. Thousand

260. 3 is what percent of 10?

261. What percent of 15 is 3?

Find the circumference of a circle with

262. a diameter of 1000

263. a radius of 32

264. $(+7) + (+3)$

265. $(-3) + (-4)$

266. $(-3) + (+8)$

- 267. $(+3) + (-9)$
- 268. 10 is $\frac{2}{5}$ of what?
- 269. 18 is $\frac{6}{7}$ of what?
- 270. 8 is .4 of what?
- 271. 40 is .8 of what?
- 272. 30 is 15% of what?
- 273. 30 is 60% of what?

Find the square root of

- 274. 36
- 275. 100

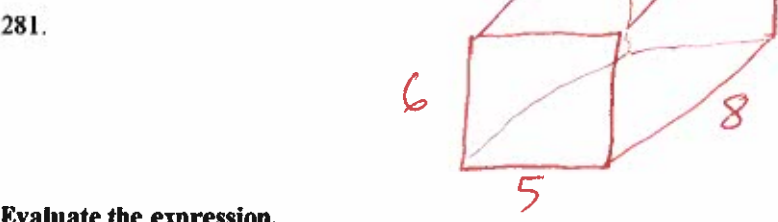
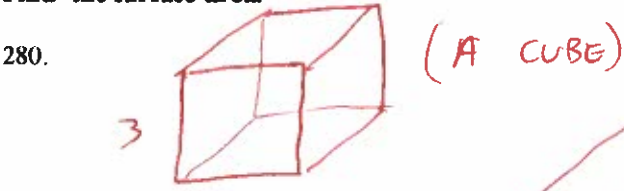
Between which two whole numbers is the square root of

- 276. 30
- 277. 14

Write the units with exponents.

- 278. 24 sq. ft.
- 279. 24 cu. cm.

Find the surface area.



Evaluate the expression.

- 282. $d = rt$ if $r = 5$ and $t = 8$
- 283. $A = s^2$ if $s = 8$
- 284. $P = 2(l + w)$ if $l = 5$ and $w = 6$
- 285. Change 39 feet to yards. (3 feet = 1 yard).
- 286. Change 1.2 kilograms to grams. (1 kilogram = 1000 grams).
- 287. Change 20 minutes to seconds. (1 minute = 60 seconds).

288. Change 4500 centimeters to meters. (1 meter = 100 centimeters).

289. $(+7) - (+3)$

290. $(-3) - (-4)$

291. $(-3) - (+8)$

292. $(+3) - (-9)$

293. $(+6)(-4)$

294. $(-4)(-2)$

295. $(-8) \div (-2)$

296. $(+9) \div (+3)$

Find the area of a circle with

297. radius 10

298. diameter 200

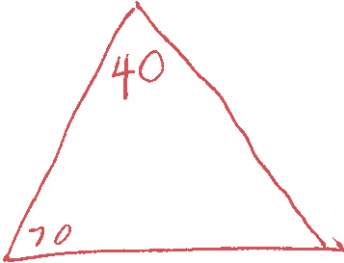
Shape	Perimeter	Area
Square	299.	300.
Rectangle	301.	302.
Parallelogram	303.	304.
Triangle	305.	306.
Circle	307.	308.

Find the measure of the angle not given.

309.



310.



In a bag, there are 5 black marbles, 4 blue marbles, and 3 white marbles. What is the probability of picking

311. a red marble

312. a black marble

313. When is a number divisible by 2?

314. When is a number divisible by 3?

315. When is a number divisible by 4?

316. When is a number divisible by 5?

317. When is a number divisible by 6?

318. When is a number divisible by 8?

319. When is a number divisible by 9?

320. When is a number divisible by 10?

Which positive one-digit numbers are divisors of the following?

321-2. 240

323-4. 123,300

Write the Arabic numeral for:

325. VIII

326. CCXXVI

Write the Roman numeral for:

327. 12

328. 283

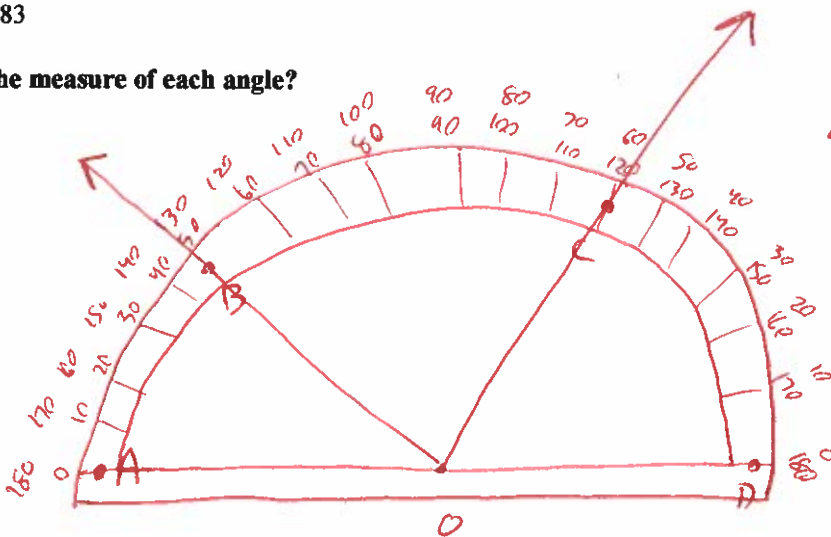
What is the measure of each angle?

329.

LAOB

330.

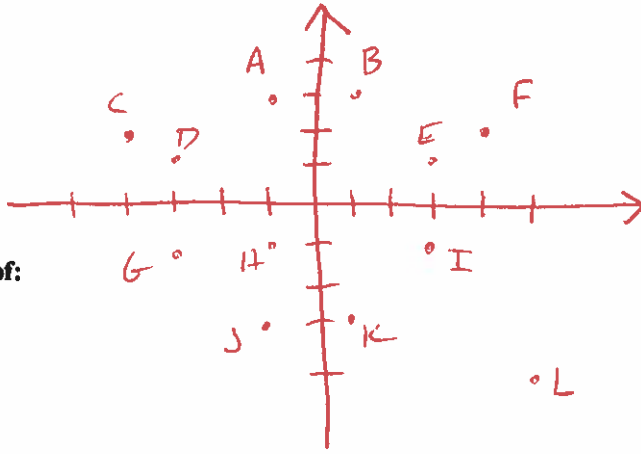
LAOC



What point has the coordinates:

331. (3,-1)

332. (1,3)



What are the coordinates of:

333. c

334. d

335. What is the sum of the first five positive even numbers?

336. What time is eight hours before 3:00 PM?

337. How many years from 34 BC to 32 AD?

338. Which number is closest to 5: 5.5, five and a tenth, 4.99

339. What is the first prime number after 37?

340. Estimate the sum of 8.3, 42.6, 31.9, and 3.21.

MATH 7 - ORDER OF OPERATIONS NOTES

$$2 + 3 \times 4$$

$$24 \div 3 \times 2$$

$$24 \div (3 \times 2)$$

$$5 - 2 + 7$$

$$5 - (2 + 7)$$

$$12 - 3^2 + 4$$

$$72 \div 2^3 \times 5 - 50$$

$$6 - 4 - 2$$

$$6 - 5 \times 2$$

$$5 + 6 \times 2 - 4$$

$$6 - (3 - 7) \times 2$$

$$30 - 10 \div 2 \times 6$$

$$18 - 4 \times 5 + 20 \div 4$$

$$32 \div 2^4 + (12 - 8)^2 \times 2$$

Name _____

Practice, Math 7, Order of Operations

What is the order of operations?

What good does it do us?

1. $2 + 3 \times 7$

2. $4 + 3 - (4 - 2)$

3. $4 / (2 \times 2)$

4. $4 / 2 \times 2$

5. $3 + 4 \times 5$

6. $5 + 6 - 8 \times 2$

7. $(3 + 3) \times 5$

8. $3^2 + 3 \times 6$

9. $(2 + 3)^2 + 4 \times 2$

10. 3×4^2

11. $3 \times 4 / 6$

12. $3 + 6 / 2$

13. $3 \times 4 + 5$

14. $(8 + 2) \times 4$

15. $(5-4)^5 - 5$

16. $4 - 4 \times 3$

17. $7 - 4 \times 2$

18. $4 + 5 - 9$

19. $4 - (3 - 5)$

20. $2 \times 4 \times 5 - 1$

21. $6 \times (8 / 2)$

22. $6 \times 8 / 2$

23. $5 - (3 \times 2)$

24. $(4 + 5) \times 2 - 18$

25. $9 - 10 \times 2$

26. $6 - 8 + 3 \times 4$

27. $8 / 4 \times 2$

28. $8 / (4 \times 2)$

29. $(5 - 3)^4 - 20$

30. $5 - 2^3 \times 3$

MATH 7 - ADD/SUBTRACT EQUATIONS NOTES

$$x + 2 = 7$$

$$x - 6 = -2$$

$$x - 3 = 4$$

$$x - 7 = -10$$

$$9 = x + 3$$

$$x - 4 = -4$$

$$4 = x - 2$$

$$-6 = x - 8$$

$$x + 3 = -8$$

$$3 + x = 10$$

$$x + 4 = -4$$

$$6 + x = 2$$

$$x + 5 = 2$$

$$4 = 1 + x$$

$$-3 = x + 4$$

$$5 = 9 + x$$

Name _____

Practice, Math 7, Adding/Subtracting Equations

1. $x + 6 = 9$

2. $x - 7 = 0$

3. $x - 8 = -9$

4. $x + 9 = 9$

5. $x + 8 = 3$

6. $x - 7 = -9$

7. $x + 6 = 8$

8. $x - 5 = 8$

9. $4 = x - 4$

10. $-2 = x + 3$

11. $-5 = x - 2$

12. $1 + x = 4$

13. $-2 + x = 9$

14. $3 + x = 9$

15. $x + 4 = 12$

16. $x + 5 = 8$

17. $x - 6 = -5$

18. $x - 7 = -8$

19. $x + 8 = 5$

20. $x - 9 = 3$

21. $x - 8 = -8$

22. $x + 7 = -4$

23. $x + 6 = -2$

24. $x + 5 = 0$

25. $x - 4 = 0$

26. $3 = x - 3$

27. $-2 = x + 2$

28. $5 = x - 1$

29. $-8 = x + 2$

30. $0 = x + 3$

MATH 7 - MULTIPLY / DIVIDE EQUATIONS NOTES

$$2x = 14$$

$$-12 = 7x$$

$$3x = -21$$

$$15 = -3x$$

$$-4x = 20$$

$$-2 = 7x$$

$$-3x = -18$$

$$-20 = -6x$$

$$5x = 17$$

$$\frac{x}{2} = 7$$

$$-4x = 22$$

$$\frac{x}{-3} = -4$$

$$6x = 5$$

$$-5 = \frac{x}{6}$$

$$10x = -6$$

$$-3 = \frac{x}{8}$$

Name _____

Practice, Math 7, Multiplying/Dividing Equations

1. $5x = 10$

2. $-6x = 12$

3. $-4x = -16$

4. $2x = -8$

5. $6x = 9$

6. $7x = 10$

7. $3x = -10$

8. $-4x = 13$

9. $9 = 3x$

10. $14 = -2x$

11. $4 = 10x$

12. $-6x = 20$

13. $7x = -20$

14. $-4x = -22$

15. $6x = 0$

16. $x/4 = 3$

17. $x/-2 = -5$

18. $x/3 = -7$

19. $x/5 = 9$

20. $x/-5 = -6$

21. $7 = x/3$

22. $1 = x/5$

23. $-3 = x/-6$

24. $2 = x/-5$

25. $x/7 = 8$

26. $x/2 = -5$

27. $x/-5 = -10$

28. $x/3 = 8$

29. $x/-4 = -5$

30. $x/3 = -5$

MATH 7 - 2 STEP EQUATIONS NOTES

$$2x + 6 = 14$$

$$-3x + 2 = -10$$

$$\frac{x}{3} - 6 = -4$$

$$3x - 7 = 11$$

$$-4x - 7 = -20$$

$$\frac{x}{-2} + 3 = -8$$

$$5x + 7 = 23$$

$$-5x + 8 = 8$$

$$10 = -3x - 8$$

$$4x - 6 = 16$$

$$-10x + 4 = 9$$

$$5 = \frac{x}{-7} + 11$$

$$-3x + 2 = -10$$

Name _____

Practice, Math 7, Equations

1. $5x + 5 = 10$

9. $9 = 3x - 4$

2. $-6x + 6 = 12$

10. $14 = -2x - 2$

3. $-4x - 8 = -16$

11. $4 = 10x - 6$

4. $2x + 6 = 8$

12. $-6x + 2 = 20$

5. $6x + 4 = 9$

13. $7x + 1 = -20$

6. $7x - 5 = 10$

14. $-4x + 2 = -22$

7. $3x + 2 = -10$

15. $6x + 12 = 0$

8. $-4x - 6 = 13$

16. $x/4 + 3 = 3$

$$17. x/2 - 2 = -5$$

$$26. x/2 + 3 = -5$$

$$18. x/3 + 3 = -7$$

$$27. x/5 - 7 = -10$$

$$19. x/5 - 4 = 9$$

$$28. x/3 + 8 = 8$$

$$20. x/5 + 6 = -6$$

$$29. x/4 - 5 = -5$$

$$21. 7 = x/3 + 2$$

$$30. x/3 + 3 = -5$$

$$22. 1 = x/5 - 3$$

$$23. -3 = x/6 - 5$$

$$24. 2 = x/5 + 2$$

$$25. x/7 - 1 = 8$$
