PRACTICE QUIZ!

Name:_____

Solving for a variable / Intro to inequalities

Solve for the specified variable.

1) F = ma for m

#1 answer: _____

2) $P = \frac{F}{A}$ for F

#2 answer: _____

3) $a = \frac{v_f - v_i}{t}$ for v_f

#3 answer: _____

4) $s = \frac{d}{t}$ for t

#4 answer: _____

5) PV = nRT for R

#5 answer: _____

6) 3x – y = 8 for x

#6 answer: _____

7) The odometer in your car uses the equation $s = \frac{d}{t}$ to determine how far you've traveled. Solve the equation $s = \frac{d}{t}$ for "d". Then determine the distance a car has traveled if its average speed is 40 mi/hr and it's been traveling for 4 hours.

#7 equation: _____

#7 answer: _____

For 8–10, Circle the number (s) that are solutions to the given inequality?

8) **x > 5** a) 5 b) 11 c) –6

9) **–9 ≤ x** a) –3 b) –9 d) 0

10) **2x – 3 ≤ 11** a) 0 b) 4 c) –4

Graph the following inequalities:

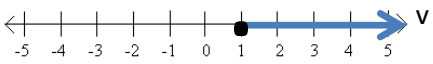
11) x < –7

12) 14 ≤ x

13) –3 > x

For 14 & 15, write an inequality for each.

14)



#14 answer: _____

15) Mr. Roy is hoping at least 21 students earn an A on this quiz.

#15 answer: _____