Practice TEST

olve

1.
$$x+15=-2$$

2.
$$4x = -28$$

$$3 = -\frac{5}{x}$$

4.
$$5p + 2 = -13$$

$$5p = -15$$

$$p = -3$$

5.
$$5x - 8 = 6 - 2x$$

$$5x+2x=6+8$$

$$7x=14$$

$$X=2$$

6.
$$3(y+8) = -y$$

$$3y + 2y = -y$$

 $3y + y = -2y$
 $4y = -2y$
 $y = -6$

7.
$$\frac{r}{3} - 2 = 7$$

8.
$$\frac{(k+2)}{5} = \frac{4}{1}$$

$$1(k+2) = -20$$

$$k+2)=-20$$

 $k+2=-20$

9.
$$\frac{1}{2}(9-x) = 1$$

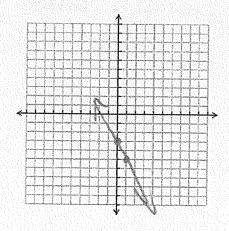
$$(9-x) = 1$$

$$1(9-x)=2$$

 $9-x=2$

Write the equation in slope y-intercept form. Then sketch

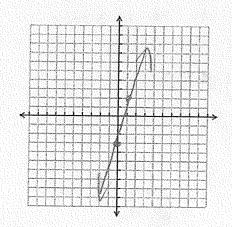
10.
$$4x + 2y + 6 = 0$$



11.
$$5x - y - 3 = 0$$

$$5x - 3 = y$$

$$m = \frac{5}{1} \quad b = -3$$



| | | 10 | | | |
|--|--|----|--|--|--|
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| | | | | | |
| | | | | | |

Name:

Rearrange the formula to get the letter the bracket isolated.

1.
$$S = t + a$$

(t)

2.
$$PV = T$$

(V)

$$3) \quad S = \frac{VAT}{500}$$

(T)

Isolate y 7.

$$x = 2(y-1) + 8$$

2=24+6

7-9- = 4

- Heidi plans to add a cedar deck to her house. She asked Robin and 9. Just Decks for estimates. Robin will charge \$2000 for materials and \$50 per hour for labour. Just Decks will charge \$1800 for materials and \$80 per hour for labour.
 - a. Assign variables and create two equations for Robin and Just Decks.
 - b. If Heidi thinks the job should not take more than 10 hours, who should she hire to build her deck?

a let or be # of hours let y be total wet.

Robin: y= 2000 + TOX Decks: y= 1800 + 80x

Decles: y= 1800 + 80(10) = 1800 + 800

$$4. \quad V^2 = 4gh$$

(h)

5. $a = \frac{p}{a}$

$$QQ = Y$$

(*p*)

6. v = u + at

v-at=u

8. If the line x + By + 3 = 0 passes through (0,-2), determine the value of B.

-24+3 =0 -219 = -3

A company's postage machine starts the week with a balance of \$40. Each time an envelope is stamped, \$0.55 is deducted from the balance.

- a. Assign variables and create an equation for this problem.
- b. If the balance is \$4.25, how many envelopes were stamped?

a lit & be + of envelopes let y be total balance

b 4,25=40-0.55x

LC=X

: 65 envelopes