Review: Solving

Test D

Solve for x

1) $10 + 7x = 38$

Solve for x

2) $9x + 19 = 1 + 3x$

Solve for x

3. $60 - 2p = 10$

Solve for x

4) $11 + 4x = 55 - 18x$

Solve for x

5) $8(x - 5) = 2x + 14$

Solve for x

6) $5x - 2x + 1 = 4x + 3x - 11$

Solve for x

$$7. \quad \frac{x}{5} + 4 = 1$$

Solve for x

$$8. \quad \frac{5x}{4} + 2 = 3$$

Solve for x

$$9. \quad \frac{4}{3}(x+1)=9$$

Solve for x

$$10. \quad \frac{5}{x} = \frac{9}{2}$$

Solve for x

$$11. \quad \frac{x+1}{5} = \frac{6}{7}$$

Solve for x

$$12. \quad \frac{3x+1}{4x-5} = \frac{7}{5}$$

Graph the following equation

$$y = \frac{3}{4}x - 5$$

Graph the following equation

$$6y + 12x = 24$$

Graph the following equation

$$y - 5 = 3(x - 4)$$

Solve for y and Graph the following equation

$$5(x - 3y) = 35x + 45$$

Solve for y and make a table of values

$$-2x + 4y = 12 + 2x$$

x	y
-5	
-3	
0	
4	
6	

Solve and Graph the following inequality on the number line and then give the solution in interval notation

$$4 + 3x > 12 + x$$

Solve and Graph the following inequality on the number line and give the solution in interval notation

$$20 - 4x \leq 50 + 2x$$

Solve and Graph the following inequality on the number line then give the solution in interval notation

$$60 - 2x \geq 40$$

Solve and Graph the following inequality on the number line then give the solution in interval notation

$$-4(2x + 1) < 3(3x + 4)$$

Solve and Graph the following inequality on the number line then give the solution in interval notation

$$2x+5>11 \text{ or } -3x+2\geq 11$$

Solve and Graph the following inequality on the number line then give the solution in interval notation

$$8 < 3x+2 \leq 14$$

Solve the following equation for the indicated variable

$$A = \frac{1}{2}bh \quad \text{for b}$$

Solve the following equation for the indicated variable

$$R = C(1 + r) \quad \text{for r}$$