Regular Equations

1a) x – 7 = 8

2a) 4x = -12

3a) 2x – 5 = 11

4a) 1/2(4x) = -20

5a) x/-8 = 11

6a) 14 = 2x + 26

7a) -30 = 4 – 8x

Literal Equations

1b) Solve for x: x – b = a

2b) Solve for k: -3k = m

3b) Solve for b: 2b – 9 = d

4b) Solve for g: aeg = 10

5b) Solve for y: y/3 = h

6b) Solve for v: 3d = 7v + 5

7b) Solve for h: 7a = 10 – 2h

8a) $3(x - 4) = 12$

8b) Solve for p: $5(4x + p) = w$

1a) $43 - 2x = 11$

1b) Solve for x: $3y + 2x = -1$

2a) $23 + 4x - 34 = -11$

2b) Solve for k: $3 - 3k + 7k = 5b$

3a) $3(2x - 7) = 6$

3b) Solve for b: $1/2(4a + 10b) = c$

Formulas can be manipulated through the process of solving literal equations.

4) Solve for h: $A = bh$ (area of a parallelogram)

5) Solve for b: $A = 1/2bh$ (Area of a triangle)

6) Solve for r: $C = 2\pi r$ (Circumference of a circle)

7) Solve for w: P = 2L + 2W (Perimeter of a rectangle)

8) Solve for t: D = rt (Linear motion)

9) Solve for C: F = 9/5C + 32 (Temperature conversions)

5) Solve for t: D = rt (Linear motion)

6) $2y = 4x + 10$

9) $-5y + 15 = 3x$

7) $2x + 4y = -22$

10) $18 = 3y - 12x$

8) $8y - 4x = 2$

11) $19 = 7x + y$