Literal Equations

Solve the literal equations for y:

1. $2x - 2y = 5$

2. $20 = 8x + 4y$

Solve the literal equations for x

3. $y = 5x - 4x$

4. $5x - kx - 4 = y$

Solve the formula for the indicated variable:

5. Area of triangle $A = \frac{1}{2}bh$ Solve for h

6. Surface Area of a cone $S = \pi r^2 + \pi r l$ Solve for l

7. A truck driver averages 60 miles per hour while delivering freight and 45 miles per hour on the return trip.The total driving time is 7 hours.How much longer does the return trip take than the delivery?