

Models Involving Rational  
Equations

1. Solve each formula for the  
indicated variable:

$$\frac{X - Y}{P} = \frac{Z}{N} \text{ for } P$$

2. Solve each formula for the  
indicated variable:

$$A = \frac{B}{C - D} \text{ for } D$$

3. Solve each formula for the  
indicated variable:

$$A = \frac{2B - 5C}{D - E} \text{ for } E$$

4. Solve each formula for the  
indicated variable:

$$A = \frac{BCD - 5}{E + F^2G^2} \text{ for } E$$

5. Solve each formula for the  
indicated variable:

$$A = \frac{7B}{B + C} D \text{ for } B$$