

Example Application Problems from Section 5.5

SOLVING LITERAL EQUATIONS AND FORMULAS FOR A SPECIFIC VARIABLE

1. $\frac{y-h}{x-k} = a$ Solve for y .

2. $P = \frac{A}{1+rt}$ Solve for A .

3. $\frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_2}$ Solve for R_1 .

4. $h = \frac{S - 2\pi r^2}{2\pi r}$ Solve for S .

MOTION PROBLEMS

1. Beverly can drive 600 miles in the same time as it takes Susan to drive 500 miles. If Beverly drives 10 mph faster than Susan, then how fast does Beverly drive?

