

Activity Lesson Opener

For use with pages 26–32

SET UP: Work individually.

Each equation on the left was obtained by solving an equation on the right for one of its variables. Match the equations to find things that are fun in the fall.

_____ 1. $y = \frac{2}{3}x - 2$

A $3x - 2y = 6$

_____ 2. $h = \frac{2A}{b}$

B $y = 2(x - 8)$

_____ 3. $b = \frac{2A}{h}$

F $2x - 3y = 6$

_____ 4. $\pi = \frac{A}{r^2}$

I $C = 2\pi r$

_____ 5. $x = \frac{1}{2}y + 8$

L $A = \frac{1}{2}(b_1 + b_2)h$

_____ 6. $x = \frac{2}{3}y + 2$

O $A = \frac{1}{2}bh$

_____ 7. $h = \frac{2A}{b_1 + b_2}$

R $7 = 2(x + y)$

_____ 8. $b_1 = \frac{2A}{h} - b_2$

S $x = xy - 4$

and

T $A = \pi r^2$

_____ 9. $x = \frac{3}{2}y + 3$

_____ 10. $y = \frac{3}{2}x - 3$

_____ 11. $r = \frac{C}{2\pi}$

_____ 12. $x = \frac{7}{2} - y$

_____ 13. $y = \frac{x + 4}{x}$