DIRECTIONS: Use algebra properties to fill in the right sides of these proofs.

1

$4x - 5 = -2$	Given
$4x = 3$	_____
$x = {}^{3}/_{4}$	_____

2

$\frac{3a}{2} = \frac{6}{5}$	Given
$3a = \frac{12}{5}$	_____
$a = \frac{4}{5}$	_____

3

$\frac{z+7}{3} = -11$	Given
$z + 7 = -33$	_____
$z = -40$	_____

4

$15y + 7 = 12 - 20y$	Given
$35y + 7 = 12$	_____
$35y = 5$	_____
$y = {}^{1}/_{7}$	_____

5

$\frac{2}{3}b = 8 - 2b$	Given
$2b = 3(8 - 2b)$	_____
$2b = 24 - 6b$	_____
$8b = 24$	_____
$b = 3$	_____

6

$x - 2 = \frac{2x+8}{5}$	Given
$5(x - 2) = 2x + 8$	_____
$5x - 10 = 2x + 8$	_____
$3x - 10 = 8$	_____
$3x = 18$	_____
$x = 6$	_____