

Self Check 1 and 2 Answers

1. The three equations represent the same relationship, since they have the same slope of 2 and the same y-intercept of 3. The equations are the same, just represented in different forms.
2. Samples will vary. Two examples are provided. The first shows the conversion of the equation in slope-intercept form to slope-point form. The second shows the conversion of the equation in slope-intercept form to general form.

$$y = 2x + 3$$

$$y = 2x + 3$$

$$y - 3 = 2x + 3 - 3$$

$$y - 3 = 2x$$

$$y = 2x + 3$$

$$y - y = 2x + 3 - y$$

$$0 = 2x - y + 3$$

$$2x - y + 3 = 0$$