

Solve the following quadratic equation by factoring.

$$6y^2 + 32y + 8 = 5y^2 + 45y - 32$$

$$6y^2 + 32y + 8 = 5y^2 + 45y - 32$$

$$y^2 - 13y + 40 = 0$$

$$(y - 8)(y - 5) = 0$$

$$y = 8 \text{ or } y = 5$$