

Práctica

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Conte

1. Aplica las propiedades de la multiplicación para resolver las siguientes expresiones. Indica el nombre de la propiedad utilizada.

a. $(3\sqrt{2} \cdot 6\sqrt{3})(7\sqrt{2}) = (3\sqrt{2})(6\sqrt{3} \cdot 7\sqrt{2})$

$$\left(\square\sqrt{\square}\right)\left(\square\sqrt{\square}\right) = \left(\square\sqrt{\square}\right)\left(\square\sqrt{\square}\right)$$
$$\left(\square\sqrt{\square}\right) = \left(\square\sqrt{\square}\right)$$
$$\left(\square\sqrt{\square}\right) = \left(\square\sqrt{\square}\right)$$

b. $(2\sqrt{6})(3\sqrt{3}) = (3\sqrt{3})(2\sqrt{6})$

$$\left(\square\sqrt{\square}\right) = \left(\square\sqrt{\square}\right)$$
$$\left(\square\sqrt{\square}\right) = \left(\square\sqrt{\square}\right)$$

c. $\sqrt{15} \cdot \square = \sqrt{15}$

d. $3\sqrt{2} \cdot \square = 0$

$$e. \quad 2\sqrt{2} \left(\frac{1}{2\sqrt{2}} \right) = \square$$

$$f. \quad \sqrt{2} (\sqrt{8} - \sqrt{18}) = \sqrt{2} \cdot \sqrt{8} - \sqrt{2} \cdot \sqrt{18}$$

$$\sqrt{\square} (\square \sqrt{\square} - \square \sqrt{\square}) = \sqrt{\square} - \sqrt{\square}$$

$$(\sqrt{\square}) (\square \sqrt{\square}) = \square - \square$$

$$\square = \square$$

$$g. \quad \sqrt{3} (\sqrt{3} + \sqrt{12}) = \sqrt{3} \cdot \sqrt{3} + \sqrt{3} \cdot \sqrt{12}$$

$$\sqrt{\square} (\square \sqrt{\square} + \square \sqrt{\square}) = \sqrt{\square} + \sqrt{\square}$$

$$(\sqrt{\square}) (\square \sqrt{\square}) = \square + \square$$

$$\square = \square$$

