

WarmUp



1. $(x+4)(x-2)$

2. $(5a^3b^5c^{-3})(10a^{-1}b^4)(2a^2b^{-1}c^2)$

3. $-3m^5n^{-4}(9m^2-6n^{-5}+2)$

4. $(2x-1)(3x+2)$

5. $(3x-2y)(x+4y)$

You have 10 minutes.





1.

$$(\cancel{x}+4)(\cancel{x}-2)$$

$$= x^2 - 2x + 4x - 8$$

$$= x^2 + 2x - 8$$



$$2. (5a^3b^5c^{-3})(10a^{-1}b^4)(2a^2b^{-1}c^2)$$

$$(50a^2b^9c^{-3})(2a^2b^{-1}c^2)$$

$$= 100a^4b^8c^{-1}$$



3.

$$-3m^5n^{-4}(9m^2-6n^{-5}+2)$$

$$-27m^7n^{-4}+18m^5n^{-9}-6m^5n^{-4}$$



4.

$$(\cancel{2x}-1)(3x+2)$$

$$6x^2 + 4x - 3x - 2$$

$$6x^2 + x - 2$$



5.

$$(\cancel{3x} - 2y)(x + 4y)$$

$$3x^2 + \underline{12xy} - \underline{2xy} - 8y^2$$

$$= 3x^2 + 10xy - 8y^2$$