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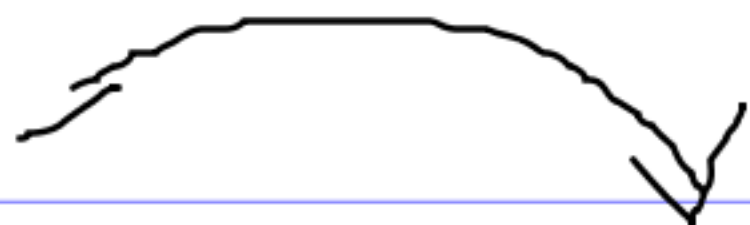
Jump



1-up

Factor each completely.

17)  $10x^2 + 19x - 2$



$$= 10x^2 - 1x + 20x - 2$$

Handwritten red brackets group  $10x^2 - 1x$  and  $20x - 2$ . A red 'X' is written below the first group, and a red '2' is written below the second group.

Factor each completely.

18)  $4m^2 + 15m - 25$

$= \underbrace{4m^2 - 5m}_m + \underbrace{20m - 25}_5$

$= \textcircled{m} (4m - 5) \textcircled{+5} (4m - 5)$

$= (4m - 5) (m + 5)$

$\textcircled{\times} -100$   
 $\textcircled{+} +15$   


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 $-5, 20$

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1-up ▼

Factor each completely.

19)  $9x^2 + 64x - 64$

$$= \underbrace{9x^2 + 72x}_{9x} - \underbrace{8x - 64}_{-8}$$

$$= 9x(x + 8) - 8(x + 8)$$

$$= (x + 8)(9x - 8)$$

$$\begin{array}{r} \textcircled{x} - 576 \\ \textcircled{+} \quad 64 \\ \hline \end{array}$$

$$\begin{array}{r} 1, 576 \\ 2, 288 \end{array}$$

$$3, 192$$

$$4, 144$$

$$6, 96$$

$$\textcircled{-8, 72}$$

Factor each completely.

20)  $4b^2 - 16b - 9$

$$= \underbrace{4b^2 + 2b}_{2b} - \underbrace{18b - 9}_{-9}$$

$$= 2b(2b + 1) - 9(2b + 1)$$

$$= (2b + 1)(2b - 9)$$

$$\begin{array}{r} \textcircled{\times} - 36 \\ \textcircled{+} - 16 \\ \hline 2, -18 \end{array}$$