

10 $121x^2 - 1225 = (\underline{\hspace{1cm}}x + 35) (\underline{\hspace{1cm}}x - 35)$

Difference of two squares · A number in front of x^2 — Answer key

1. $121x^2 - 1296 = (11x + 36)(11x - 36)$ ($121x^2$ is $11x$ squared, so the two brackets start $11x$ rather than $121x$)

5. $25x^2 - 1156 = (5x + 34)(5x - 34)$ ($25x^2$ is $5x$ squared, so the two brackets start $5x$ rather than $25x$)

9. $121x^2 - 676 = (11x + 26)(11x - 26)$ ($121x^2$ is $11x$ squared, so the two brackets start $11x$ rather than $121x$)

2. $81x^2 - 625 = (9x + 25)(9x - 25)$ ($81x^2$ is $9x$ squared, so the two brackets start $9x$ rather than $81x$)

6. $121x^2 - 841 = (11x + 29)(11x - 29)$ ($121x^2$ is $11x$ squared, so the two brackets start $11x$ rather than $121x$)

10. $121x^2 - 1225 = (11x + 35)(11x - 35)$ ($121x^2$ is $11x$ squared, so the two brackets start $11x$ rather than $121x$)

3. $9x^2 - 784 = (3x + 28)(3x - 28)$ ($9x^2$ is $3x$ squared, so the two brackets start $3x$ rather than $9x$)

7. $36x^2 - 625 = (6x + 25)(6x - 25)$ ($36x^2$ is $6x$ squared, so the two brackets start $6x$ rather than $36x$)

4. $49x^2 - 225 = (7x + 15)(7x - 15)$ ($49x^2$ is $7x$ squared, so the two brackets start $7x$ rather than $49x$)

8. $144x^2 - 361 = (12x + 19)(12x - 19)$ ($144x^2$ is $12x$ squared, so the two brackets start $12x$ rather than $144x$)