

Parabola WS 5 - The Last one

SHOW ALL WOR!!K

1. Rewrite the Parabola, $x^2 + 2x - 32y + 33 = 0$, into Standard form. Graph finding the directrix and focus.
2. Rewrite the Parabola, $x^2 - 10x - 20y + 105 = 0$, into Standard form. Graph finding the directrix and focus.
3. Rewrite the Parabola, $y^2 + 8y + 12x - 32 = 0$, into Standard form. Graph finding the directrix and focus.
4. Rewrite the Parabola, $y^2 - 10y + 4x + 5 = 0$, into Standard form. Graph finding the directrix and focus.

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Answer Section****SHORT ANSWER**

1. $(x + 1)^2 = 32(y - 1)$

2. $(x - 5)^2 = 20(y - 4)$

3. $(y + 4)^2 = -12(x - 4)$

4. $(y - 5)^2 = -4(x - 5)$