12.1: (Parabolas)

The equation of the directrix of the parabola with vertex $(1,-2)$ that has a vertical axis and passes through the point $(5,0)$, is A) $y=-4$ B) $y=-2$ C) $y=-1$ D) $x=-1$ E) $x=3$	The equation of a Parabola.
The equation of the directrix of the parabola $2y^2-8y-8x=0$, is A) $x=-2$ B) $x=0$ C) $x=-1$ D) $y=1$ E) $y=3$	The equation of a Parabola.
The focus of the parabola $y^2+4y+16x-12=0$, is A) $(-3,-2)$ B) $(-2,-5)$ C) $(-2,-3)$ D) $(1,-2)$ E) $(-5,-2)$	The equation of a Parabola.

A parabola has its focus at $(2,5)$. Its directrix is vertical and passes through $(-4,3)$. Its equation is A) $y^2 - 10y - 12x + 13 = 0$ B) $(x-2)^2 = 4(y-4)$ C) $y^2 - 10y + 12x + 37 = 0$ D) $x^2 - 4x + 4y - 12 = 0$ E) $y^2 - 12y - 10x - 37 - 0$	The equation of a Parabola.
The equation in the standard form of the parabola that has vertex $(1,-1)$ axis of symmetry parallel to x-axis and passes through the origin is equal to a) $(y+1)^2 = -(x-1)$ b) $(y+1)^2 = (x-1)$ c) $(y+1)^2 = -4(x-1)$ d) $(x-1)^2 = -(y-1)$ e) $(x-1)^2 = -4(y-1)$	The equation of a Parabola.
A parabola has equation $3x^2 + 2mx + 8y = -24$ its vertex is $(3,k)$. Then the value of k is A) $\frac{3}{8}$ B) 3 C) -9 D) 24 E) 1	The equation of a Parabola.

If the equation of the directrix of the parabola $(3x+6)^2 = 18y - 36$ is $y = m$ then $m =$ A) $\frac{3}{2}$ B) $-\frac{3}{2}$ C) $-\frac{1}{2}$ D) $\frac{5}{2}$ E) 2	The equation of a Parabola.
The equation of the parabola with focus at $(-3,2)$ and vertex at $(-3,-1)$ is A) $x^2 - 12y + 6x - 3 = 0$ B) $y^2 - 12x + 6y - 3 = 0$ C) $x^2 + 12y - 6x + 3 = 0$ D) $y^2 + 12x + 6y - 3 = 0$ E) $x^2 + 12y + 6v + 3 = 0$	The equation of a Parabola.
The focus of the parabola given by the equation $2(2y-4)^2 = 64(x-1)$ is equal to A) (3,2) B) (3,1) C) (2,3) D) (4,1) E) (1,4)	The equation of a Parabola.