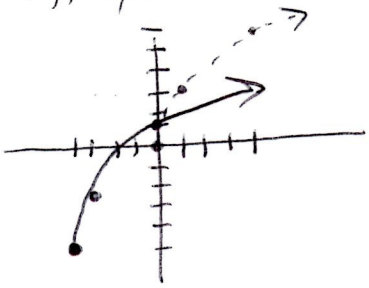
(47) $y = 3\sqrt{x+4} - 5$

x	y
0	0
1	3
4	6

left 4 / down 5



D: $x \geq -4$

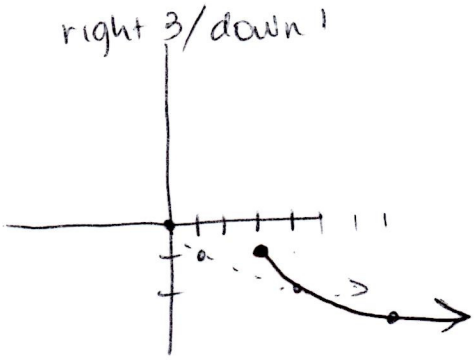
R: $y \geq -5$

(48) $y = -1 - \sqrt{x-3}$

$y = -\sqrt{x-3} - 1$

x	y
0	0
1	-1
4	-2

right 3 / down 1



D: $x \geq 3$

R: $y \leq -1$

(49) $-3\sqrt{\frac{n}{6}} = -3$

$\left(\sqrt{\frac{n}{6}}\right)^2 = (1)^2$

$\frac{n}{6} = 1$

$n = 6$

(50) $9 + \sqrt{-3-4x} = 14$

$\left(\sqrt{-3-4x}\right)^2 = (5)^2$

$-3 - 4x = 25$

$-4x = 28$

$\boxed{x = -7}$

(51) $9 = 2 + \sqrt{b+6}$

$(7)^2 = \left(\sqrt{b+6}\right)^2$

$49 = b + 6$

$\boxed{43 = b}$

(52) $11 = 8 + \sqrt{5k-1}$

$(3)^2 = \left(\sqrt{5k-1}\right)^2$

$9 = 5k - 1$

$10 = 5k$

$\boxed{2 = k}$

(53) $\frac{648}{3} = \frac{3(x+13)^{\frac{3}{2}}}{3}$

$(216)^{\frac{2}{3}} = \left((x+13)^{\frac{3}{2}}\right)^{\frac{2}{3}}$

$36 = x + 13$

$\boxed{23 = x}$

(54) $\frac{-625}{-5} = \frac{-5v^{\frac{3}{2}}}{-5}$

$(125)^{\frac{2}{3}} = \left(v^{\frac{3}{2}}\right)^{\frac{2}{3}}$

$\boxed{25 = v}$

(55) $-2x^{\frac{3}{2}} - 8 = -1466$

$-2x^{\frac{3}{2}} = -1458$

$\left(x^{\frac{3}{2}}\right)^{\frac{2}{3}} = (729)^{\frac{2}{3}}$

$\boxed{x = 81}$

(56) $-4n^{\frac{3}{2}} + 2 = -106$

$-4n^{\frac{3}{2}} = -108$

$\left(n^{\frac{3}{2}}\right)^{\frac{2}{3}} = (27)^{\frac{2}{3}}$

$\boxed{n = 9}$