1.

Solution

To find the z-intercept, we set v equal to 0, so :

$v(z) = z^2 - 9z + 20 = (-5 + z)(-4 + z) = 0$

$-5 + z = 0$ or $-4 + z = 0$

$z = 5$ or $z = 4$

So, the z-intercepts are at the points $(5,0)$ and $(4,0)$