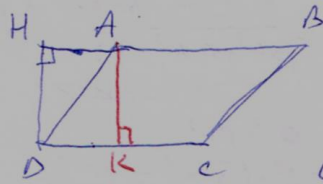


1.47
6



$AD = x$: /NO/

$HD = x - d$
 $DC = x + d$

$44 = 2(x + x + d)$

$22 = 2x + d$

$96 = (x - d)(x + d)$

$96 = x^2 - d^2$

$d = 22 - 2x$

$96 = x^2 - 484 + 88x - 4x^2$

$3x^2 - 88x + 580 = 0$

$x = 10, x = \frac{58}{3}$

$d = 2$ *if $x = 10$*
if $x = \frac{58}{3}$

$AD = 10$

$HD = 8$

$DC = 12$

$BD = \sqrt{HD^2 + HB^2} = \sqrt{8^2 + 8^2} = 388$

$HA = \sqrt{AD^2 - HD^2} = 6$

$AC = \sqrt{AK^2 + KC^2} = \sqrt{8^2 + (12 - 6)^2} = 10$