Quiz 1.1-1.3 Answers

Wednesday, September 12, 2018 8:41 PM

① $40 - 6^2 / 4(3)$

$= 40 - \frac{6^2}{4} \cdot 3$

$= 40 - \frac{36}{4} \cdot 3$

$= 40 - 9 \cdot 3$

$= 40 - 27 = \boxed{13}$

② $3n^2 - 2an$; $a = -3$ & $n = 4$

$= 3(4)^2 - 2(-3)(4)$

$= 3 \cdot 16 + 6(4)$

$= 48 + 24$

$= \boxed{72}$

③ $P = 2(l + w)$; $l = 31$ meters (m)

$w = 7$ m

$P = 2(31 + 7)$

$= 2(38)$

$= \boxed{76 \text{ m}}$

④ $\sqrt{5}$ → Real ($\mathbb{R}$), Irrational ($\mathbb{I}$)

⑤ Not Possible