Quiz 4

Q1.

6.3 Given a standard normal distribution, find the value of k such that

(a) $P(Z < k) = 0.0427$;

(b) $P(Z > k) = 0.2946$;

(c) $P(-0.93 < Z < k) = 0.7235$.

Q2.

6.5 Given the normally distributed variable X with mean 18 and standard deviation 2.5, find

(a) $P(X < 15)$;

(b) the value of k such that $P(X < k) = 0.2236$;

(c) the value of k such that $P(X > k) = 0.1814$;

(d) $P(17 < X < 21)$.