92% of the time, the factory worker produces more than 89.873 units in an hour.

(1)
$$z = -0.81$$
 $x = -0.81.5.8 + 91.1 = 86.402$

79% of the time, the factory worker produces more than 86.402 units in an hour.

$$(2)$$
 $z=-1.28$ $x=-1.28.12+140=124.64$

The best before date should be set to 124.64 hours after production.

The probability that
$$P(X=Y) = \text{abinom}(Y, 5, \frac{9}{18}) = \text{abinom}(Y, 5, \frac{9}{18})$$

the weather was good enough on exactly four days is 0.35341.

89.873

The probability of strictly less than four interruptions is 0.22790.

$$V = \sqrt{800.0.012 \cdot 0.988} = 3.07974$$
BINOM NORM

$$P(X) = P(X) = 1 - P(X = 1.5) = 1 - 0.7824$$

$$Z = \frac{11.5 - 9.6}{3.07974} = 0.62 = 0.2676$$