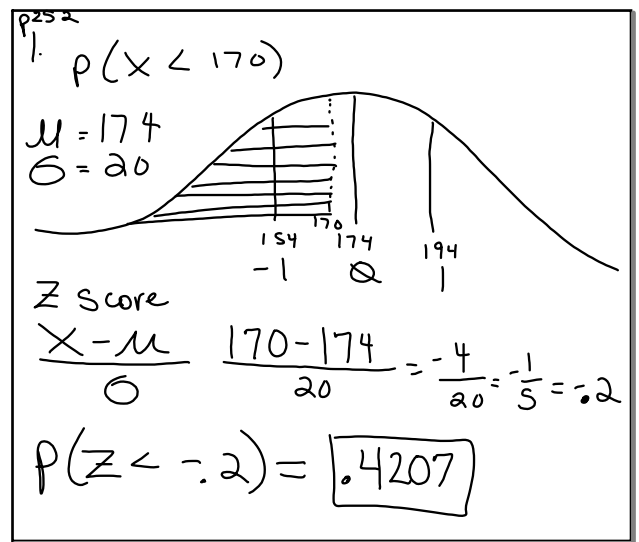
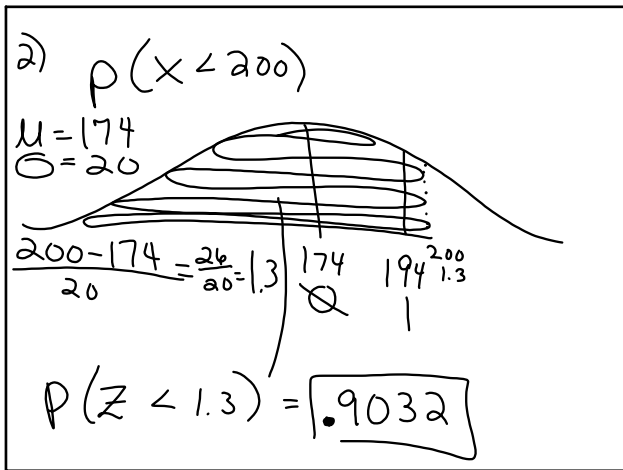


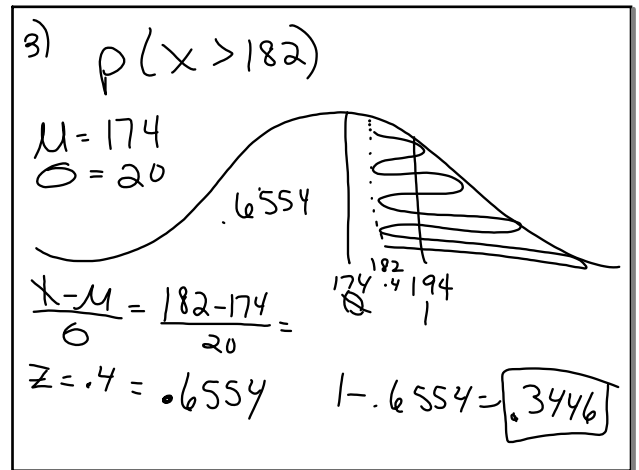
Mar 1-7:58 AM



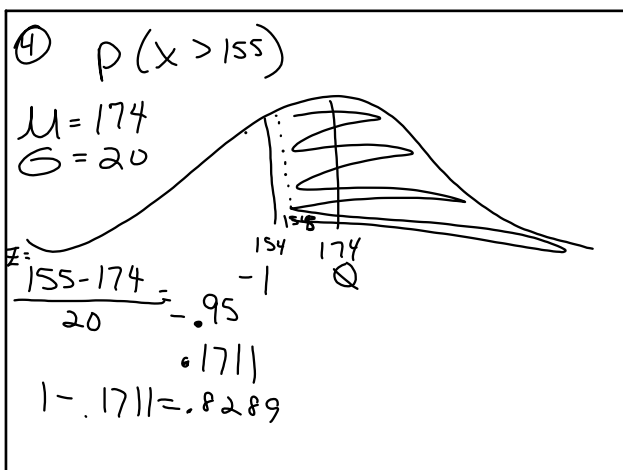
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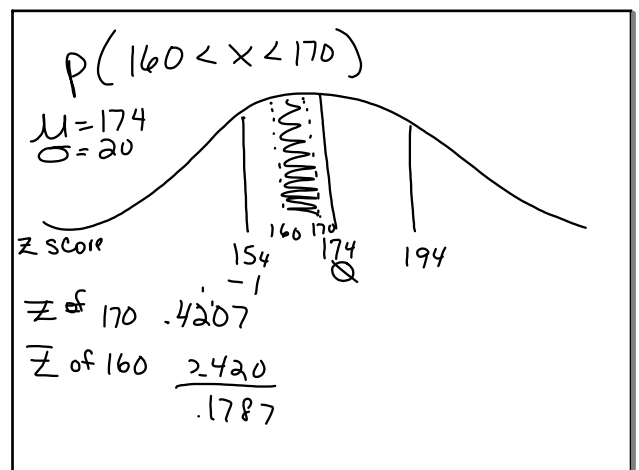
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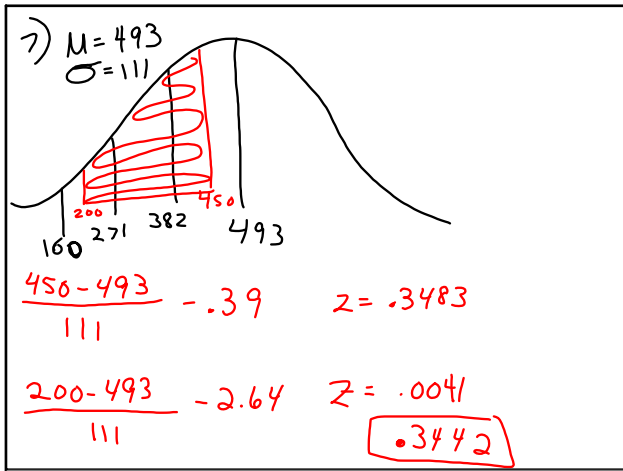
Mar 2-11:11 AM



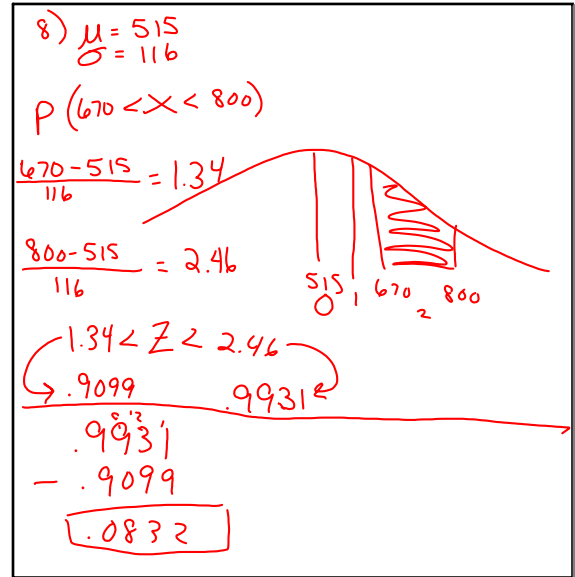
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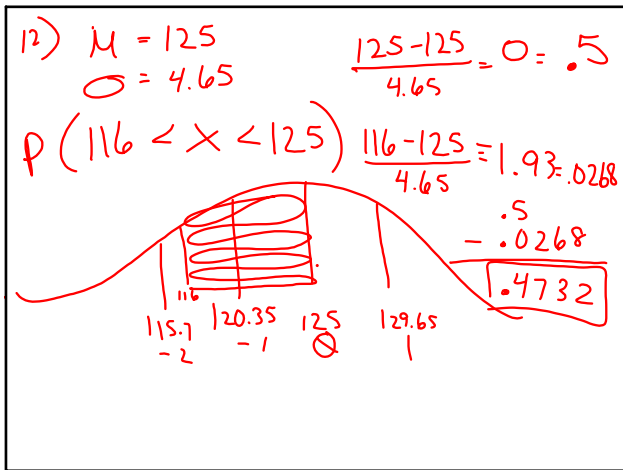
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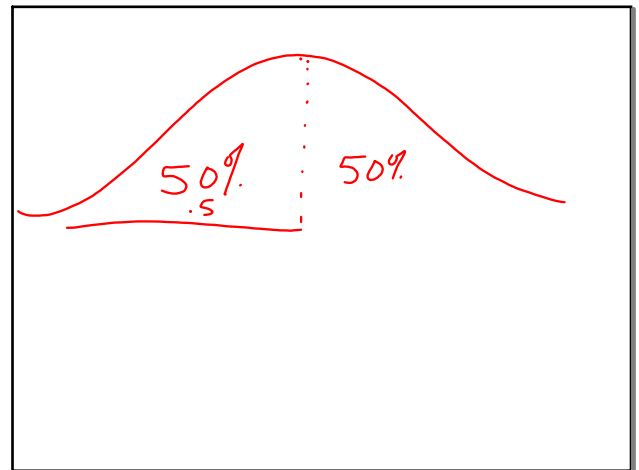
Mar 2-11:25 AM



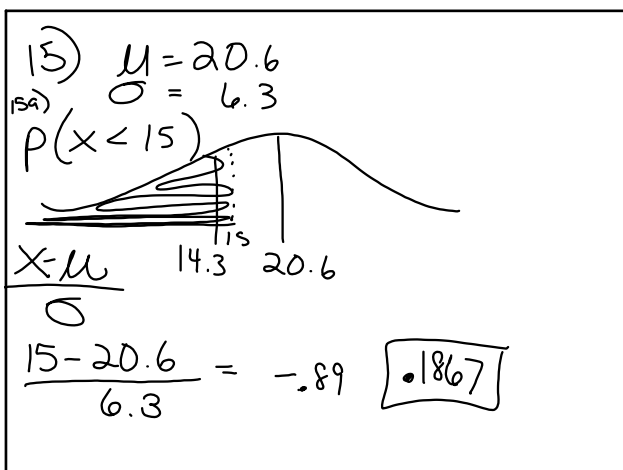
Mar 2-11:31 AM



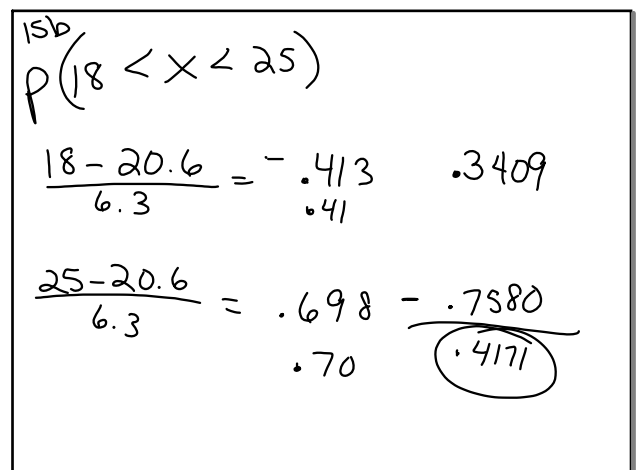
Mar 2-11:35 AM



Mar 2-11:38 AM



Mar 2-11:14 AM



Mar 2-11:58 AM

15c) $P(X > 34)$

$$\frac{34 - 20.6}{6.3} = 2.13$$

13
17
21
25
29

$1 - .9834 = .0166$

15d) unusual

Mar 2-12:01 PM

1) $P(X < 170)$

$\mu = 174$
 $\sigma = 20$

$$\frac{X - \mu}{\sigma} = z$$

$$\frac{170 - 174}{20} = -.2$$

154 174 194
-1 0 1

$P(Z < -.2) = .4207$

Mar 1-11:01 AM

2) $P(X < 200)$

$\mu = 174$
 $\sigma = 20$

$$\frac{X - \mu}{\sigma} = z$$

$$\frac{200 - 174}{20} = \frac{26}{20} = 1.3 = .9032$$

154 174 194 200
-1 0 1

Mar 1-11:00 AM

3) $P(X > 182)$

$\mu = 174$
 $\sigma = 20$

$$z = \frac{X - \mu}{\sigma}$$

$$\frac{182 - 174}{20} = .4$$

174 194
0 1

$P(Z > .4) = 1 - .6554 = .3446$

Mar 1-11:12 AM

3) $P(X > 182)$

$$\frac{182 - 174}{20} = .4$$

174 194 214
0 1 2

$P(Z > .4) = 1 - .6554 = .3446$

Mar 1-8:16 AM

4) $P(X > 155)$

$\mu = 174$
 $\sigma = 20$

$$\frac{155 - 174}{20} = -.95$$

$\frac{X - \mu}{\sigma} = z$

$P(Z > .95)$

154 174 194
-1 0 1

$1 - .1711 = .8289$

Mar 1-8:22 AM

5)
 $\mu = 174$
 $\sigma = 20$
 $P(160 < X < 170)$

$z = \frac{X - \mu}{\sigma}$

$\frac{160 - 174}{20} = -.7 =$

$\frac{170 - 174}{20} = -.2 =$

$P(-.7 < Z < -.2)$
 .2420 .4207
 $.4207 - .2420 = .1787$

Mar 1-11:22 AM



Mar 1-11:31 AM

#5
 $P(160 < X < 170)$

$\frac{X - \mu}{\sigma} =$

$\frac{170 - 174}{20} = -.2 =$ z score = .4207

$\frac{160 - 174}{20} = -.7 =$ z score = .2420

$.4207 - .2420 = .1787$

Mar 1-8:28 AM

#6
 $P(172 < X < 192)$

$\mu = 174$
 $\sigma = 20$

$P(X < 192)$

$P(Z < \frac{192 - 174}{20}) = .9 \rightarrow .8159$

$P(Z < \frac{172 - 174}{20}) = -.1 \rightarrow .4602$

$.8159 - .4602 = .3557$

Mar 1-8:41 AM

- 7) .3442 11) .3387
- 8) .0832 12) .4735
- 9) .2747
- 10) .2596

Mar 1-8:48 AM

$200 < X < 450$

$\mu = 493$
 $\sigma = 111$

$\frac{200 - 493}{111} = -2.64$

$\frac{450 - 493}{111} = -.387$

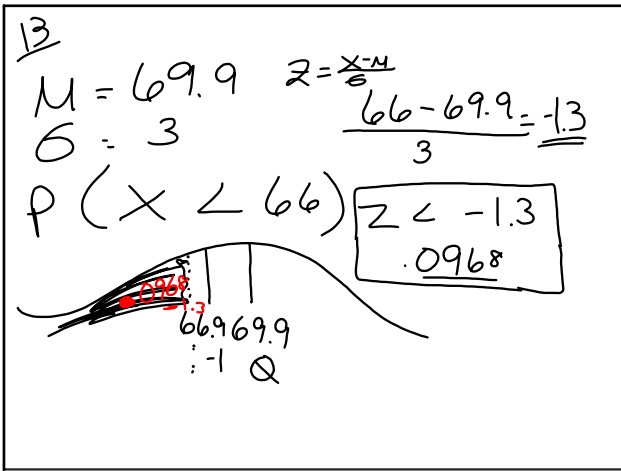
$-2.64 < Z < -.387$

$.0041 - .3483$

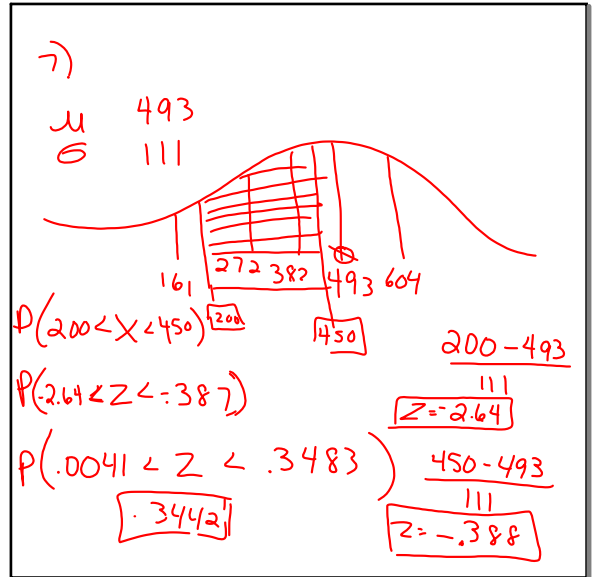
$.3442$ Table

$.3541$ Calculator

Mar 1-11:41 AM



Mar 1-8:52 AM

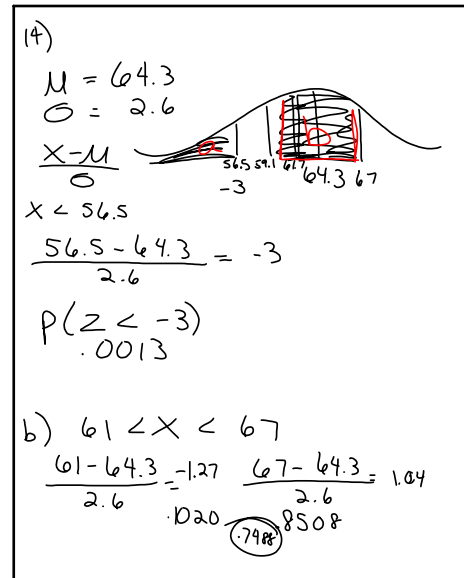


Mar 1-8:58 AM

13, 17, 21, 25, 29

c

Mar 1-9:08 AM



Mar 1-9:12 AM