MATH 213 - QUIZ 5 - 28 FEBRUARY 2012

Answer the following question in the space provided. Show all work as partial credit may be given. Answers without justification, even if they are correct, will earn no credit. This quiz is worth 5 points.

Find an equation of the plane passing through the points (-1, 1, -2), (-1, 3, -3) and (-1, 3, 0). Make sure your answer is in the form ax + by + cz = d.

Find normal vector:

$$P=(-1,1,-2)$$
 Q= $(-1,3,-3)$ R= $(-1,3,0)$
 $\vec{n} = \vec{Pa} \times \vec{QR} = |\vec{C}| \vec{J} \cdot \vec{R} |$
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Answer the following question in the space provided. Show all work as partial credit may be given. Answers without justification, even if they are correct, will earn no credit. This quiz is worth 5 points.

Find an equation of the plane passing through the points (0,2,-2), (-1,4,-3) and

Find point on plane: take
$$P = (0,2,-2)$$
 (could take any of the others $P = (0,2,-2)$) where $P = (0,2,-2)$ is the form $P = (0,2,-2)$ and $P = (1,0,3)$ P

/2x+y=2/

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Answer the following question in the space provided. Show all work as partial credit may be given. Answers without justification, even if they are correct, will earn no credit. This quiz is worth 5 points.

Find an equation of the plane passing through the points (-4, 1, 1), (-1, 2, 4) and (0, 3, 1). Make sure your answer is in the form ax + by + cz = d.

Find normal vector:

$$P=(-4,(1)) = (-1,2,4) = (0,3,1)$$
 $\vec{n} = \vec{Po} \times \vec{O} = (-1,2,4) = (-1,3,1)$
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