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| 数学３年第１学期期末テスト　解答用紙 | | | | | | | | | | | | | | | 番 | | 氏  名 |  | | | | | | |
| 知識・理解 | | | | | 技能 | | | | | | | | 数学的な考え方 | | | | | | | 得点 | | | | |
| ／３０ | | | | | ／４５ | | | | | | | | ／２５ | | | | | | | ／１００ | | | | |
| １ | (1) | ① | ② | | | | ③ | | | | ④ | | | | | ⑤ | | ⑥ | | | | | | ⑦ |
| (2) | ① | | | | | ② | | | | | ③ | | | | | ④ | | | | | ⑤ | | |
| ２ | (1) | | | (2) | | | | | | (3) | | | | | | | (4) 有理数 | | | | | | 無理数 | |
| ３ | (1) | | | (2) | | | | | | (3) | | | | | | | (4) | | | | | |
| ４ | (1) | | | (2) | | | | | | (3) | | | | | | | (4) | | | | | | (5) | |
| ５ | (1) | | | | | (2) | | | | | | | | (3) | | | | | | | (4) | | | |
| (5) | | | | | (6) | | | | | | | | (7) | | | | | | |
| ６ | (1) | | | | | (2) | | | | | | | | (3) | | | | | | | (4) | | | |
| (5) | | | | | (6) | | | | | | | | (7) | | | | | | |
| ７ | (1) | | | | | | | (2) | | | | | | | | | | (3) | ① | | | | | |
| ② | | | | | |
| ③ | | | | | |
| ８ | | | | | | | | | ９ | | | | | | | | | 10 | | | | | | |
| 数学３年第１学期期末テスト　解答用紙 | | | | | | | | | | | | | | | 番 | | 氏  名 | 解　　答 | | | | | | |
| 知識・理解 | | | | | 技能 | | | | | | | | 数学的な考え方 | | | | | | | 得点 | | | | |
| ／３０ | | | | | ／４５ | | | | | | | | ／２５ | | | | | | | ／１００ | | | | |
| １  **各1点** | (1) | ①  １６ | ②  １６ | | | | ③  ４ | | | | ④  ７ | | | | | ⑤  ４ | | ⑥  ± | | | | | | ⑦  －４± |
| (2) | ① | | | | | ②  １ | | | | | ③  －５ | | | | | ④  ２ | | | | | ⑤ | | |
| ２ | (1)  ２，３，５，７ | | | (2)  ２２×２３ | | | | | | (3)  ａｘ | | | | | | | (4) 有理数  ・・  ０．３１、－ | | | | | | 無理数  各２点  π、 | |
| ３ | (1)  ±６ | | | (2)  －７ | | | | | | (3)  ＜3 | | | | | | | (4) | | | | | |
| ４ | (1)  6x2－18xy | | | (2)  3ｘ－4 | | | | | | (3)  x2＋2x－63 | | | | | | | (4)  x2＋12x＋36 | | | | | | (5)  x2－5 | |
| ５ | (1)  4a(a+3b) | | | | | (2)  (x-8)(x+7) | | | | | | | | (3)  (x-5)2 | | | | | | | (4)  (4a+3b)(4a-3b) | | | |
| (5)  (3x+2y)2 | | | | | (6)  (a+b)(x-y) | | | | | | | | (7)  (x-5)(x+6) | | | | | | |
| ６ | (1) | | | | | (2)  2 | | | | | | | | (3)  18 | | | | | | | (4)  各３点  －3 | | | |
| (5) | | | | | (6)  －１３ | | | | | | | | (7)  31+ | | | | | | |
| ７ | (1)  (300＋１)(300－１)  ＝90000－１  ＝89999 | | | | | | | (2) 素因数分解すると  ２４×５×２  よって5×2＝１０ | | | | | | | | | | (3) | ①　７．０７ | | | | | |
| ②　１７．３２ | | | | | |
| ③　０．１４１４ | | | | | |
| ８　ｎを整数とすると２つの連続する奇数は２ｎ＋１、２ｎ＋３となり、その２乗の差は  ４点  各２点  (２ｎ＋１)２－(２ｎ＋３)２  ＝８(ｎ－１)  よって８×整数となり  ８の倍数である。 | | | | | | | | | ９  ３点  ２５ｃｍ | | | | | | | | | 10  ３点  たて　137ｃｍ  横　　 76ｃｍ | | | | | | |